

Appl. No. 09/714,040
Amdt. dated January 7, 2005
Reply to Office Action of July 9, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-24. (cancelled)

25. (currently amended) A composition comprising monospecific $F(ab')_2$ which is:

- (a) free of $F(ab')_2$ having hinge region intrachain disulfide bonds;
- (b) free of contaminating arsenite; and
- (c) ~~homogenous as to the heavy chain C-terminal amino acid residue; and~~
- (d) ~~each Fab' of the $F(ab')_2$ has only one hinge region cysteine~~ comprises a CH1

domain fused to an amino acid disulfide Cys-X-X, wherein X is Ala, Arg, Pro or Asp, and the cysteine forms a disulfide bond to form the $F(ab')_2$.

26-28. (cancelled)

29. (currently amended) The composition of claim ~~28~~ where 25, wherein each Fab' comprises the C-terminal amino acid sequence Cys-Ala-Ala.

30-37. (cancelled)

38. (new) The composition of claim 25, wherein the C-terminal amino acid sequence comprises Cys-Pro-Pro.

39. (new) The composition of claim 25, wherein the $F(ab')_2$ polypeptide lacks a heavy and light interchain disulfide bond.

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40. (new) A composition comprising a $F(ab')_2$, wherein each Fab' comprises a CH1 region fused to an amino acid sequence Cys-X-X, wherein X is Ala, Arg, Asp or Pro.

41. (new) The composition of claim 40, wherein the amino acid sequence comprises Cys-Ala-Ala or Cys-Pro-Pro.

42. (new) The composition of claim 40, wherein the $F(ab')_2$ lacks a heavy and light interchain disulfide bond.